Serial No. 09/753,547

Docket No. YOR920000626US1

2

AMENDMENTS TO THE CLAIMS:

Please cancel claim 3 without prejudice or disclaimer, and amend the claims as follows:

1. (Currently Amended) A method for intelligent spellchecking, comprising:

performing a spellchecking of a word by considering an entire sentence and a

structure of the entire sentence, in determining whether the word is misspelled;

parsing the sentence to produce a first parse;

examining a list of words in the sentence and identifying a confusable original word

along with a potential replacement word; and

comparing slot-filling information of the first parse to slot-filling statistics for the

original word,

wherein said performing a spellchecking comprises determining a context of said

word by slot-filling.

2. (Currently Amended) The method of claim 1, further comprising:

parsing the sentence to produce a first parse;

examining a list of words in the sentence and identifying a confusable original word

along with a potential replacement word;

replacing the confusable original word with its replacement to produce a resulting

sentence; and

parsing the resulting sentence to produce a second parse.

3. (Canceled)

Serial No.

09/753,547

3

Docket No. YOR920000626US1

4. (Currently Amended) The method of claim 2 [[3]], further comprising:

comparing slot-filling information of the second parse to the slot-filling statistics for the replacement word.

5. (Original) The method of claim 4, further comprising:

comparing two matches with the slot-filling statistics found for the original word and the replacement word.

- 6. (Original) The method of claim 5, wherein a better match indicates the preferred spelling in context.
- 7. (Previously Presented) The method of claim 2, wherein said first parse and said second parse produce a parse score and in determining a parse score each parse automatically considers a slot-filling statistics of the original word and the replacement word.
- (Original) The method of claim 2, wherein a comparison of the matches includes checking both a mother designation and a daughter designation of words in said sentence.
- 9. (Previously Presented) The method of claim 1, wherein a decision as to which word is best depends on comparing a first parse score and a second parse score, independently of any use of lexical statistics.

Serial No. 09/753,547

Docket No. YOR920000626US1

10. (Previously Presented) The method of claim 1, wherein a selection of a best match for a

word determined to be misspelled is performed by comparing a first parse score and a second

parse score.

11. (Currently Amended) A system for intelligent spellchecking, comprising:

a spellchecker for performing a spellchecking of a word by considering an entire sentence and a structure of the entire sentence, in determining whether the word is misspelled;

a parser for parsing the sentence to produce a first parse;

a detector for examining a list of words in the sentence and identifying a confusable original word along with its potential replacement; and

a comparison module for comparing slot-filling information of the first parse to slotfilling statistics for the original word,

wherein said spellchecker performs said spellchecking by determining a context of said word by slot-filling.

12. (Currently Amended) The system of claim 11, further comprising:

a parser for parsing the sentence to produce a first parse;

a detector for examining a list of words in the sentence and identifying a confusable original word along with its potential replacement; and

a replacement module for replacing the confusable word with its replacement to produce a resulting sentence,

said parser parsing the resulting sentence to produce a second parse.

5

Serial No. (

09/753,547

Docket No.

YOR920000626US1

13. (Currently Amended) The system of claim 12, further comprising:

a comparison module for comparing slot-filling information of the first parse to slot-filling statistics for the original word, for comparing wherein said comparison module further compares slot-filling information of the second parse to the slot-filling statistics for the replacement word, and for comparing two matches with the slot-filling statistics found for the original word and the replacement word.

- 14. (Original) The system of claim 13, wherein a better match indicates the preferred spelling in context.
- 15. (Previously Presented) The system of claim 12, wherein said parser produces a first parse score and a second parse score and in determining a parse score each parse automatically considers a slot-filling statistics of the original word and the replacement word.
- 16. (Original) The system of claim 12, wherein a comparison of the matches includes checking both a mother designation and a daughter designation of words in said sentence.
- 17. (Previously Presented) The system of claim 11, further comprising a judgment module for making a decision as to which word is best based on comparing said first parse score and said second parse score, independently of any use of lexical statistics.
- 18. (Original) The system of claim 11, further comprising a selector for selecting a best match for a word determined to be misspelled.

Serial No.

09/753,547

6

Docket No. YOR920000626US1

- 19. (Previously Presented) The system of claim 11, wherein a selection of a best match for a word determined to be misspelled is performed by comparing said first parse score and said second parse score.
- 20. (Currently Amended) A method for intelligent spellchecking, comprising:

performing a spellchecking of a word by considering an entire sentence and a structure of the entire sentence, by performing a first parse and a second parse to obtain a first sparse score and a second parse score, in determining whether the word is misspelled;

examining a list of words in the sentence and identifying a confusable original word along with a potential replacement word; and

comparing slot-filling information of the first parse to slot-filling statistics for the original word,

wherein said performing a spellchecking comprises determining a context of said word by slot-filling.

- 21. (Previously Presented) The method of claim 20, wherein a decision as to which word is best depends on comparing said first parse score and said second parse score.
- 22. (Original) The method of claim 21, wherein said decision is made independently of any use of lexical statistics.
- 23. (Currently Amended) A signal-bearing medium tangibly embodying a program of machine- readable instructions executable by a digital processing apparatus to perform a method for computer-implemented intelligent spellchecking, said method comprising:

Serial No.

09/753,547

7

Docket No. YOR920000626US1

performing a spellchecking of a word by considering an entire sentence and a structure of the entire sentence, in determining whether the word is misspelled;

parsing the sentence to produce a first parse;

examining a list of words in the sentence and identifying a confusable original word along with a potential replacement word; and

comparing slot-filling information of the first parse to slot-filling statistics for the original word,

wherein said performing a spellchecking comprises determining a context of said word by slot-filling.

24. (Currently Amended) A method for deploying computing infrastructure, comprising integrating computer-readable code into a computing system, wherein the computer-readable code in combination with the computing system is capable of performing a method for computer-implemented intelligent spellchecking, said method for computer-implemented intelligent spellchecking comprising:

performing a spellchecking of a word by considering an entire sentence and a structure of the entire sentence, in determining whether the word is misspelled;

parsing the sentence to produce a first parse;

examining a list of words in the sentence and identifying a confusable original word along with a potential replacement word; and

comparing slot-filling information of the first parse to slot-filling statistics for the original word,

wherein said performing a spellchecking comprises determining a context of said word by slot-filling.